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Fig. 1

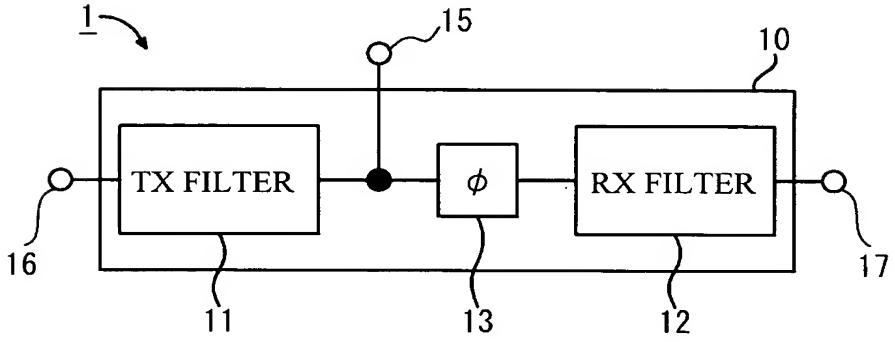


Fig. 2

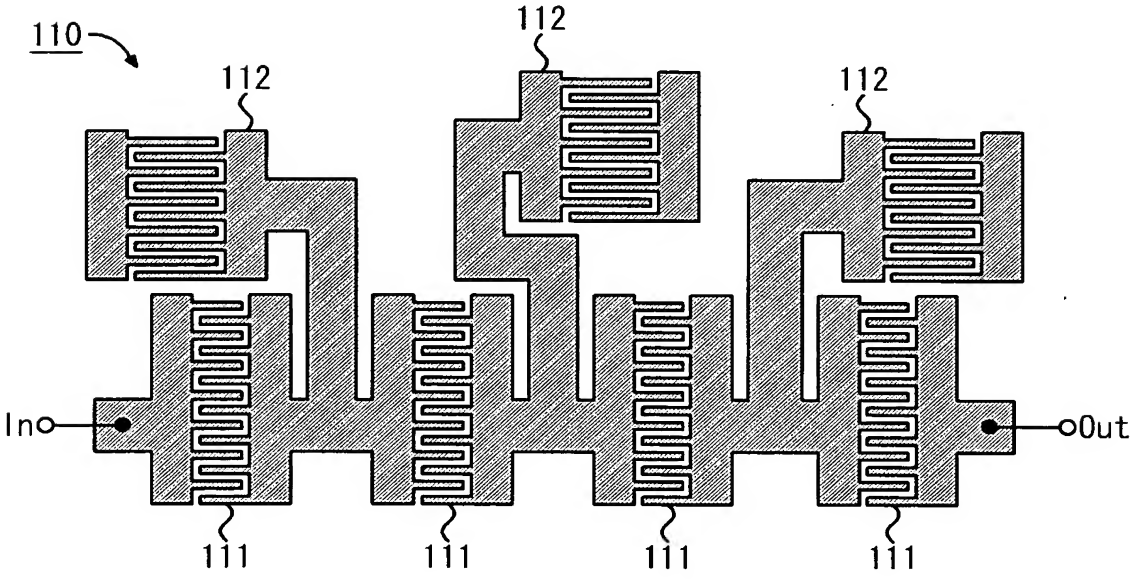

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Fig. 3

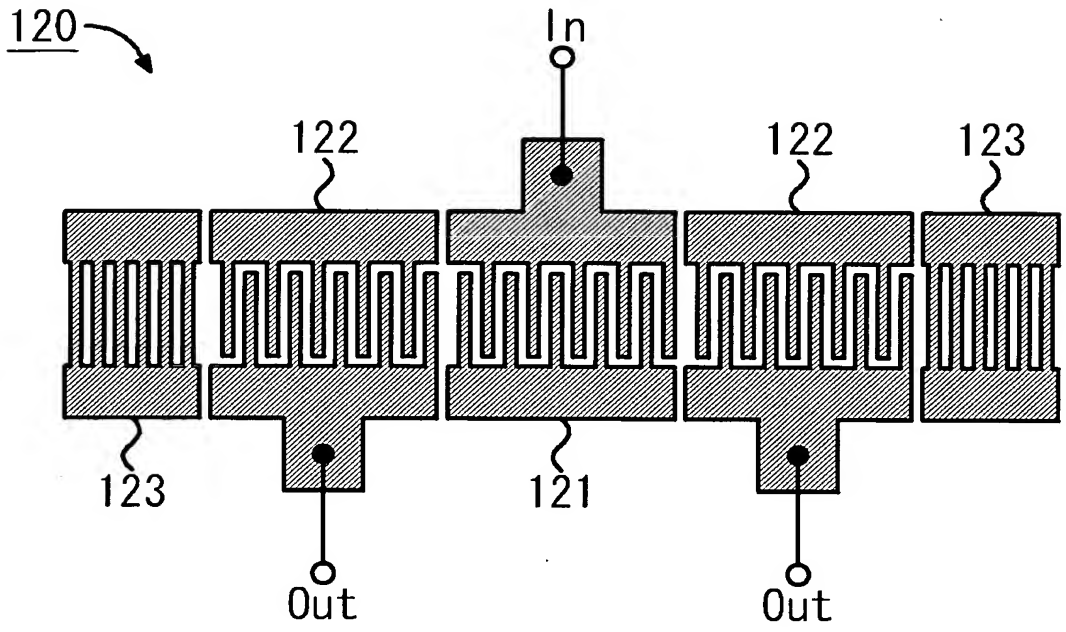

Fig. 4

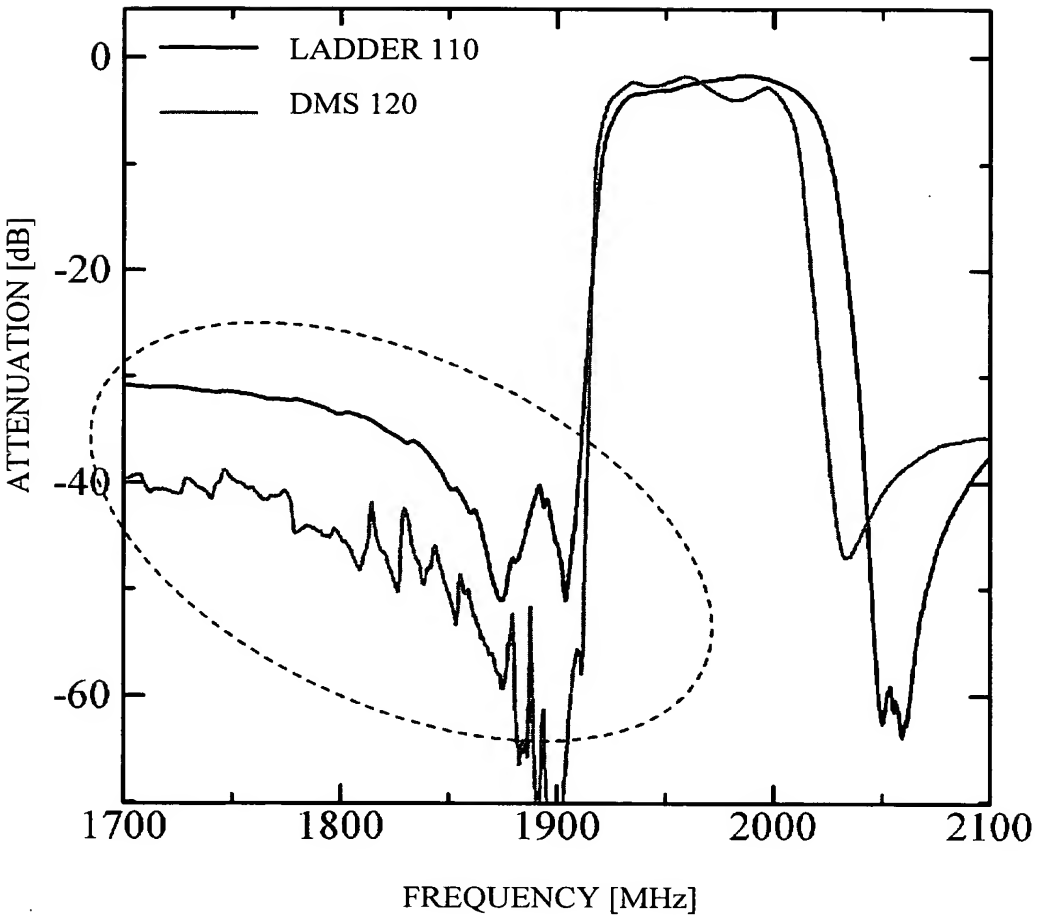
LADDER 110
DMS 120
0
-20
-40
-60
ATTENUATION [dB]
1700
1800
1900
2000
2100
FREQUENCY [MHz]

Fig. 5

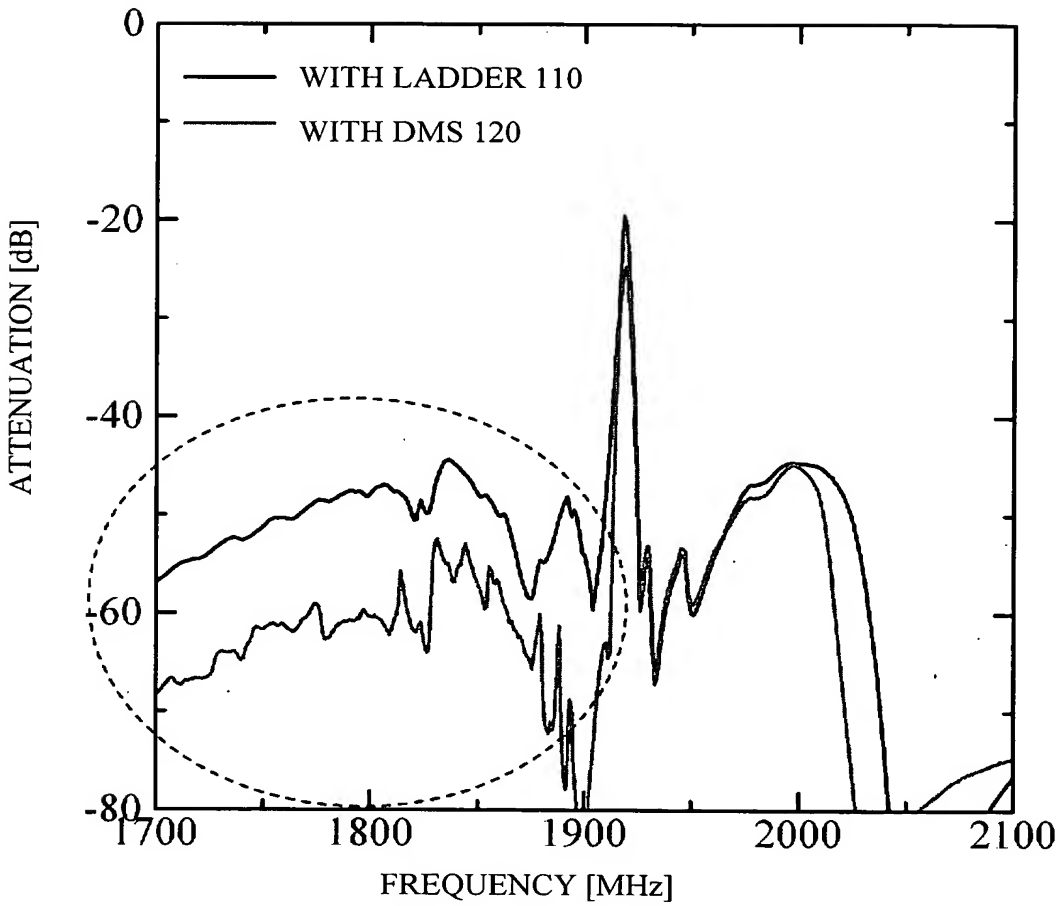
0
-20
-40
-60
-80
ATTENUATION [dB]
WITH LADDER 110
WITH DMS 120
1700
1800
1900
2000
2100
FREQUENCY [MHz]

Fig. 6A

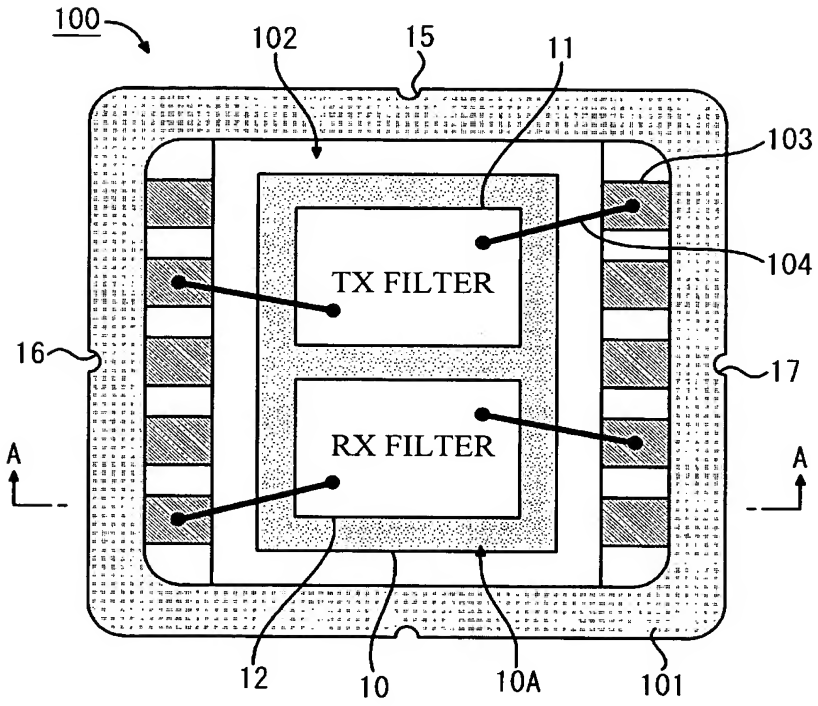
100
102
15
11
103
104
TX FILTER
RX FILTER
16
17
A
A
12
10
10A
101

Fig. 6B

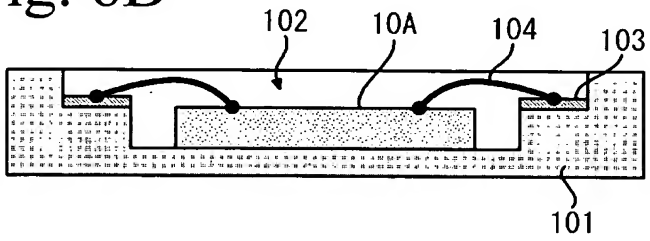
102
10A
104
103
101

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Fig. 7

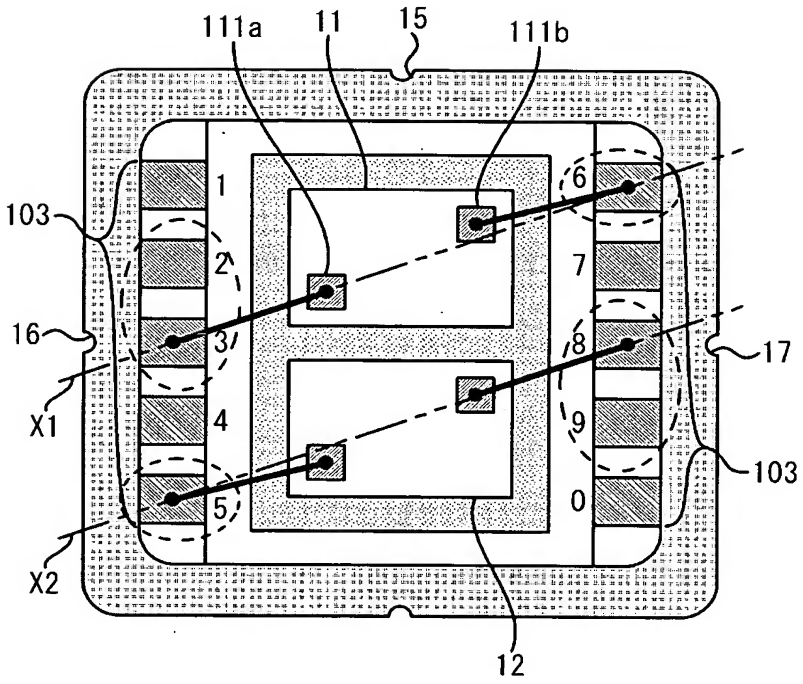

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Fig. 8

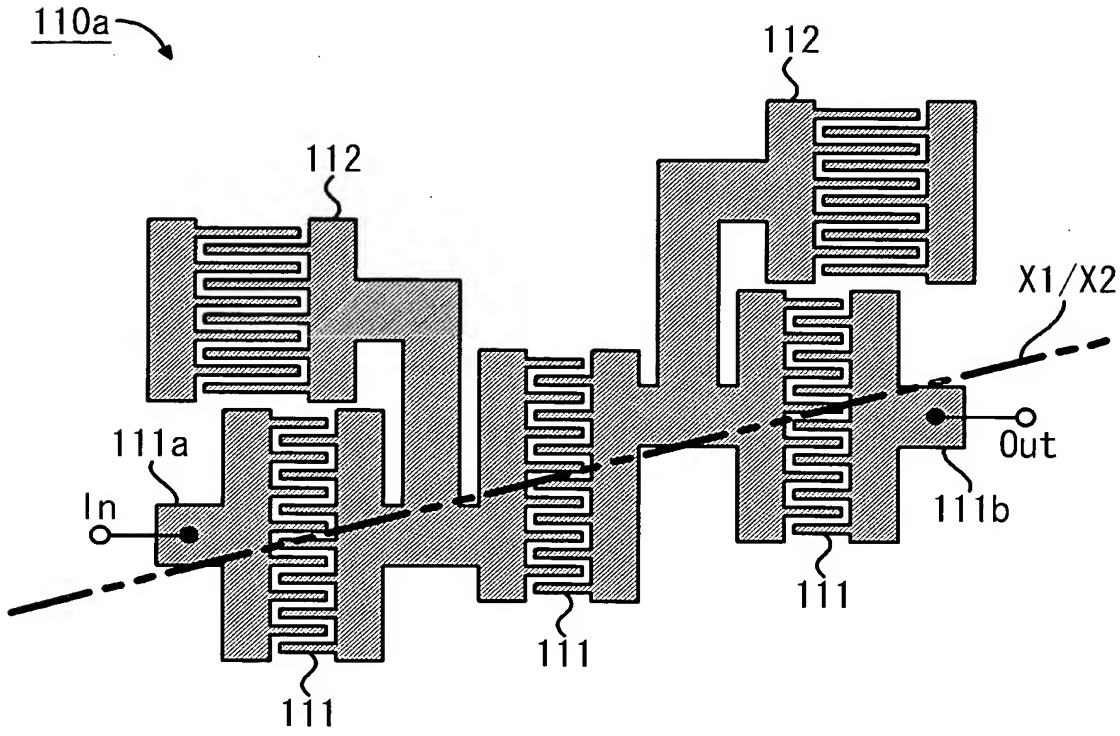

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Fig. 9

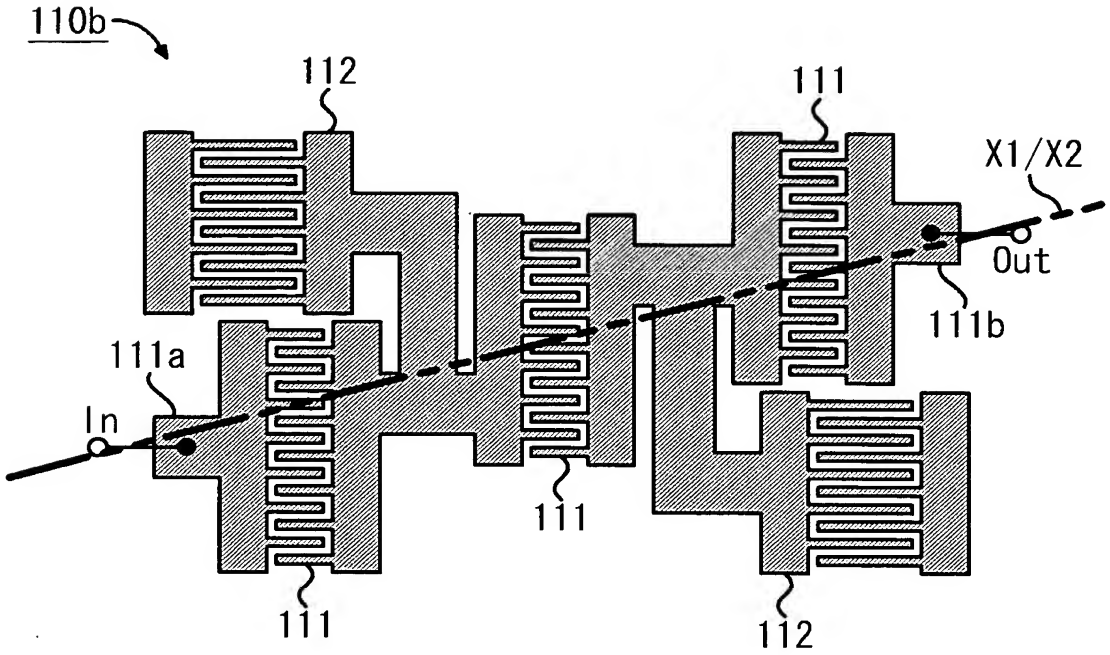

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Fig. 10

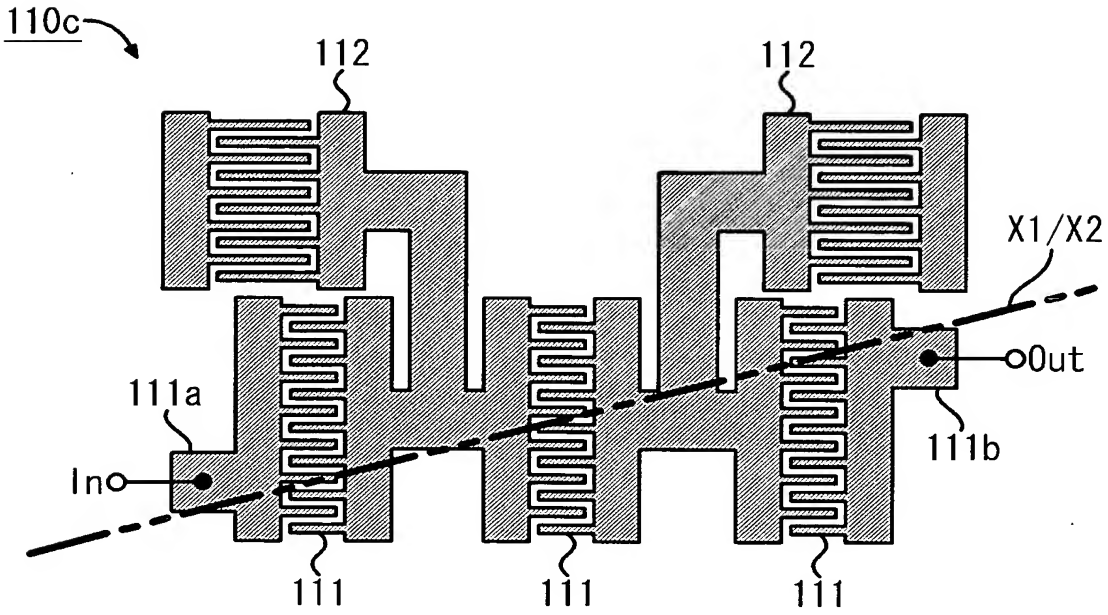

Fig. 11

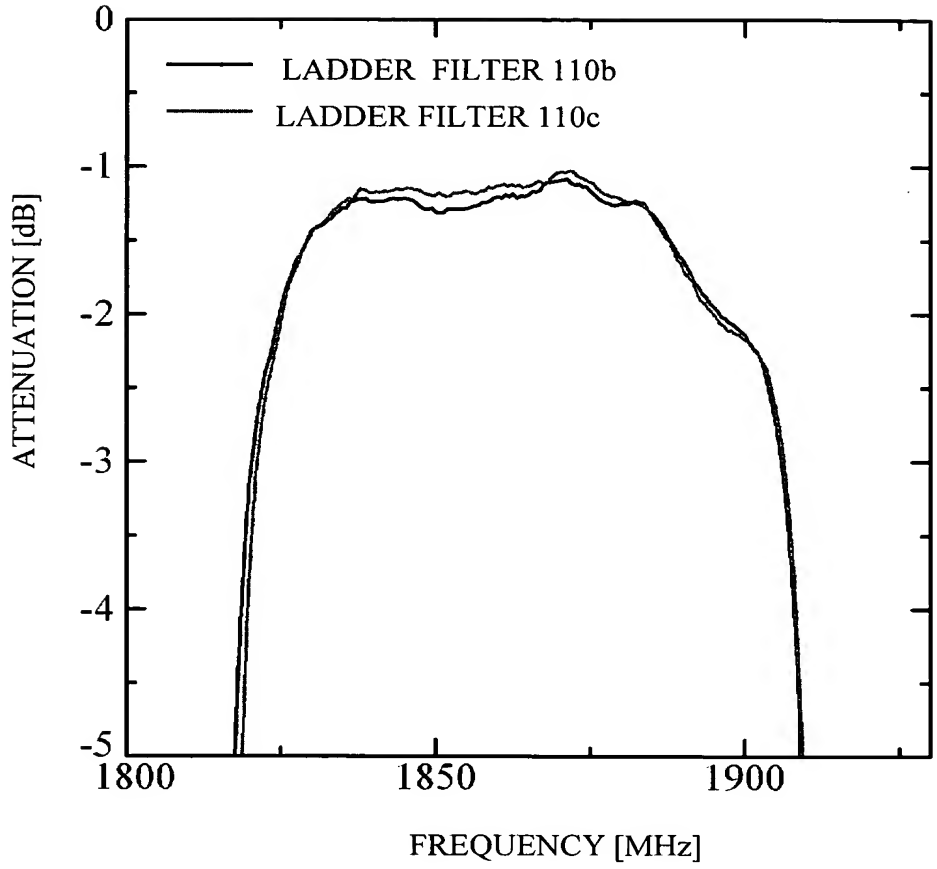
0
-1
-2
-3
-4
-5
ATTENUATION [dB]
LADDER FILTER 110b
LADDER FILTER 110c
1800
1850
1900
FREQUENCY [MHz]

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Fig. 12

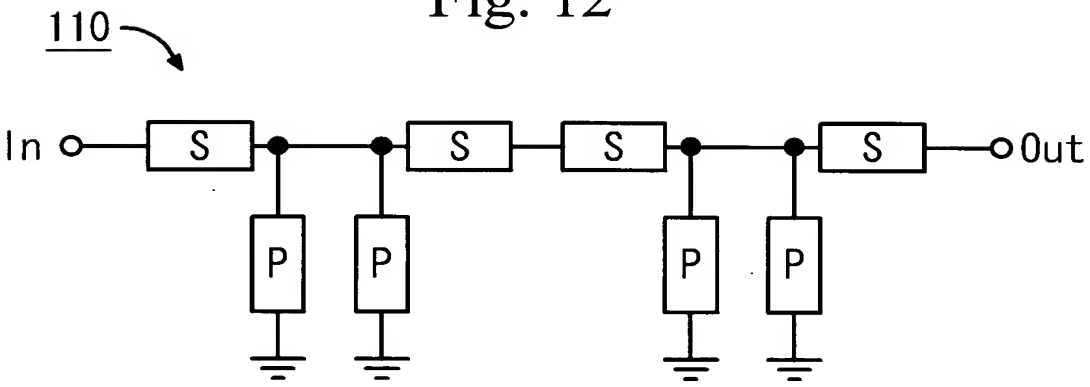

Fig. 13A

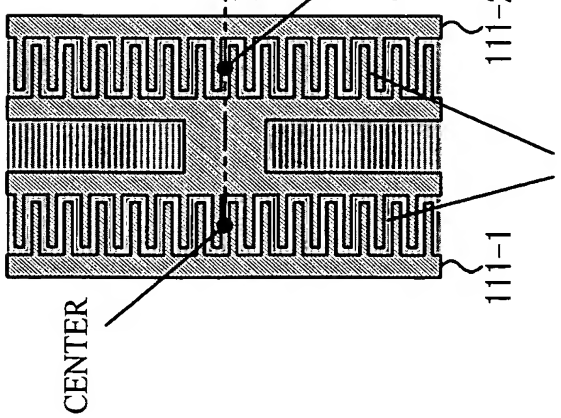


Fig. 13B

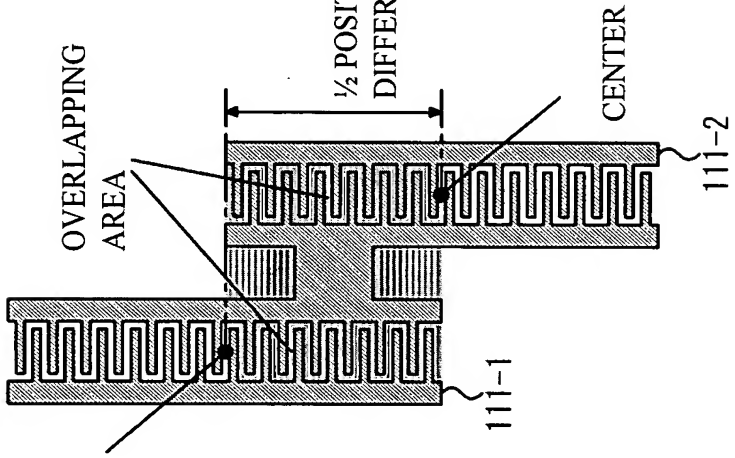


Fig. 13C

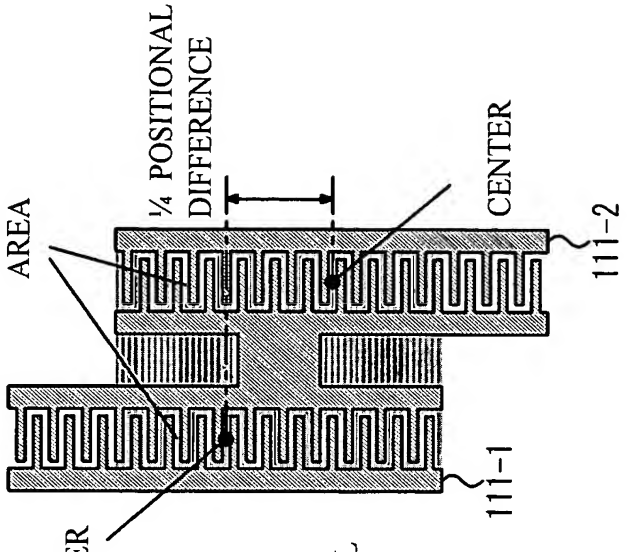

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Fig. 14

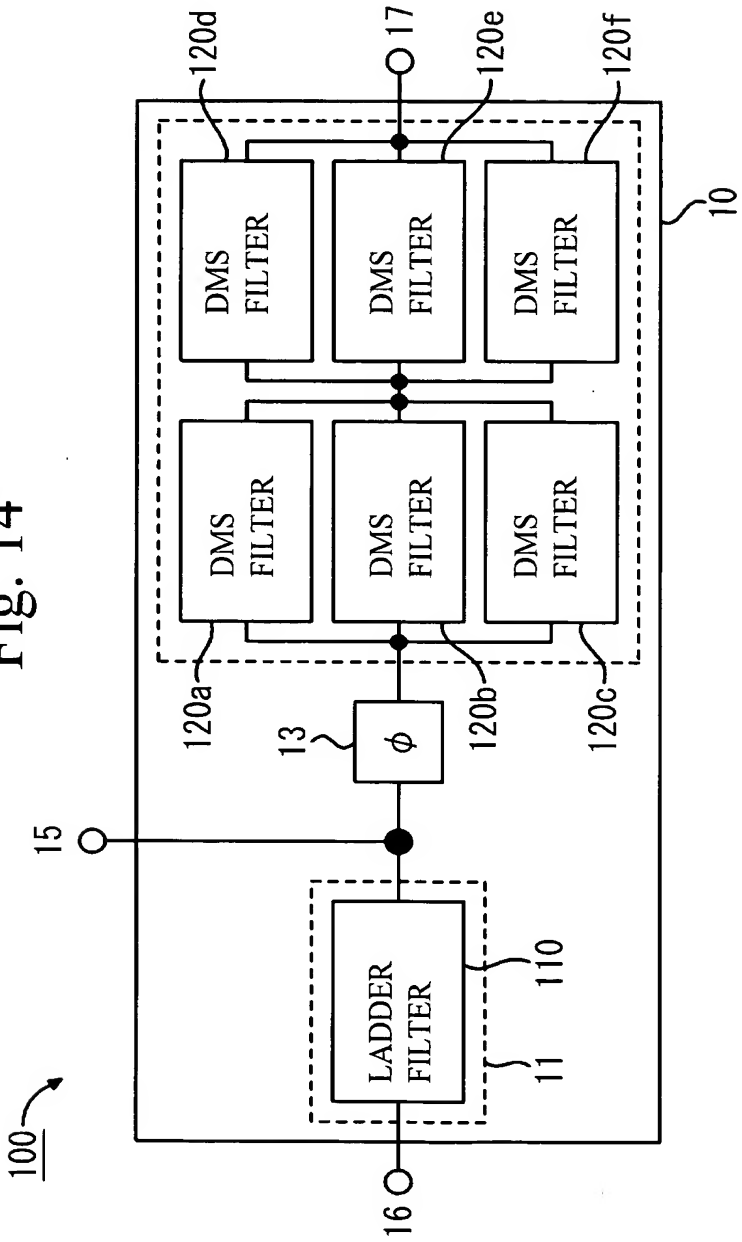

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Fig. 15

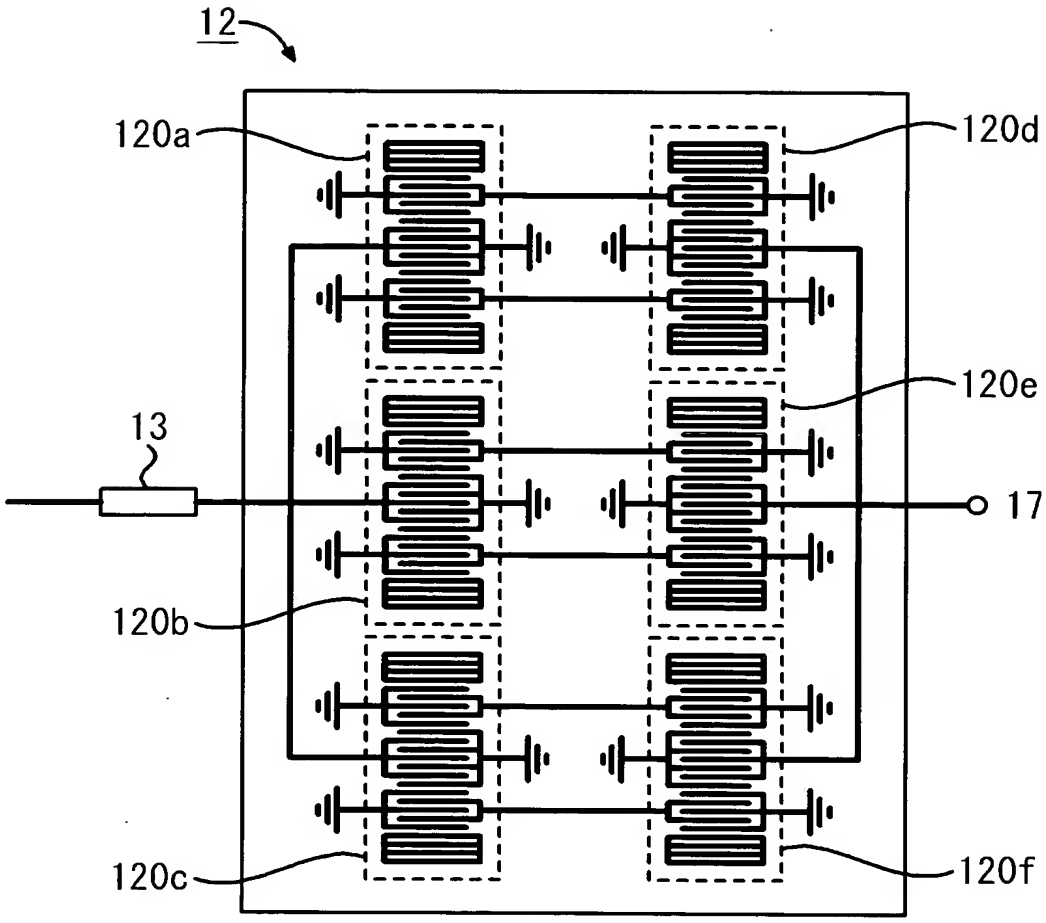

Fig. 16

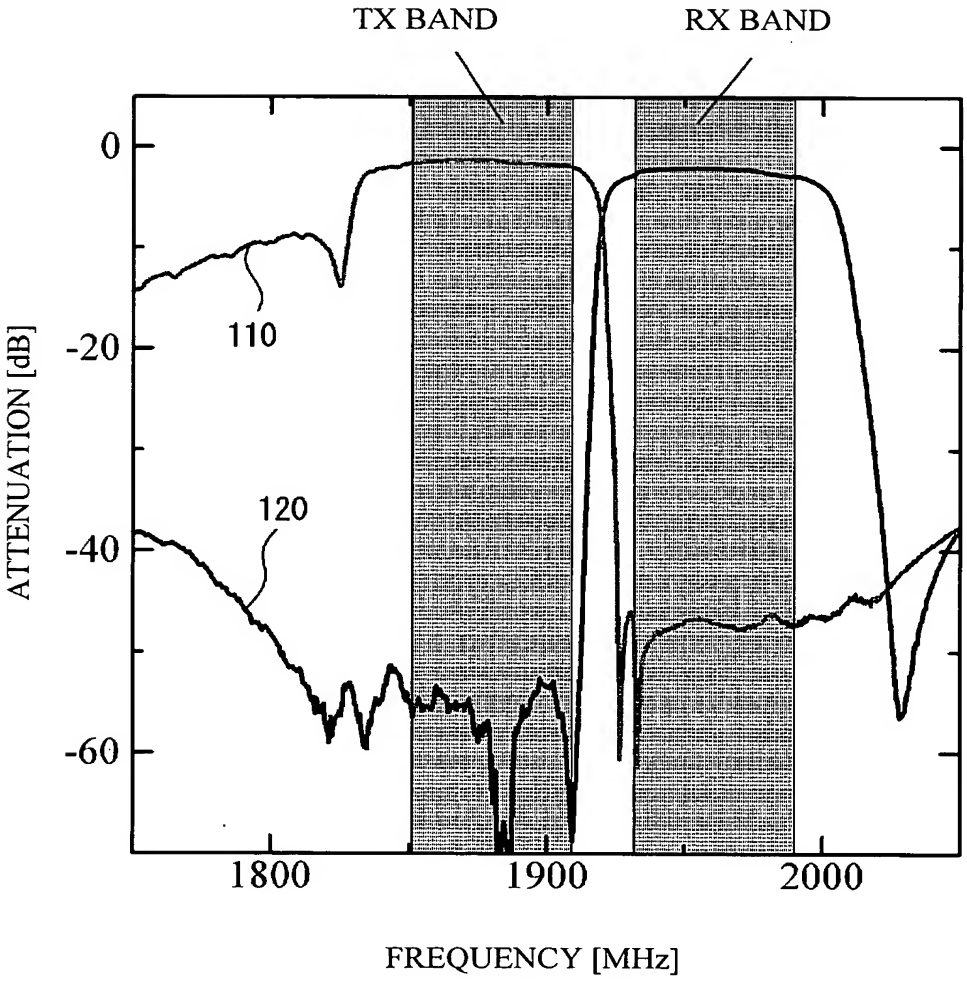
TX BAND
RX BAND
0
-20
-40
-60
110
120
ATTENUATION [dB]
1800
1900
2000
FREQUENCY [MHz]

Fig. 17

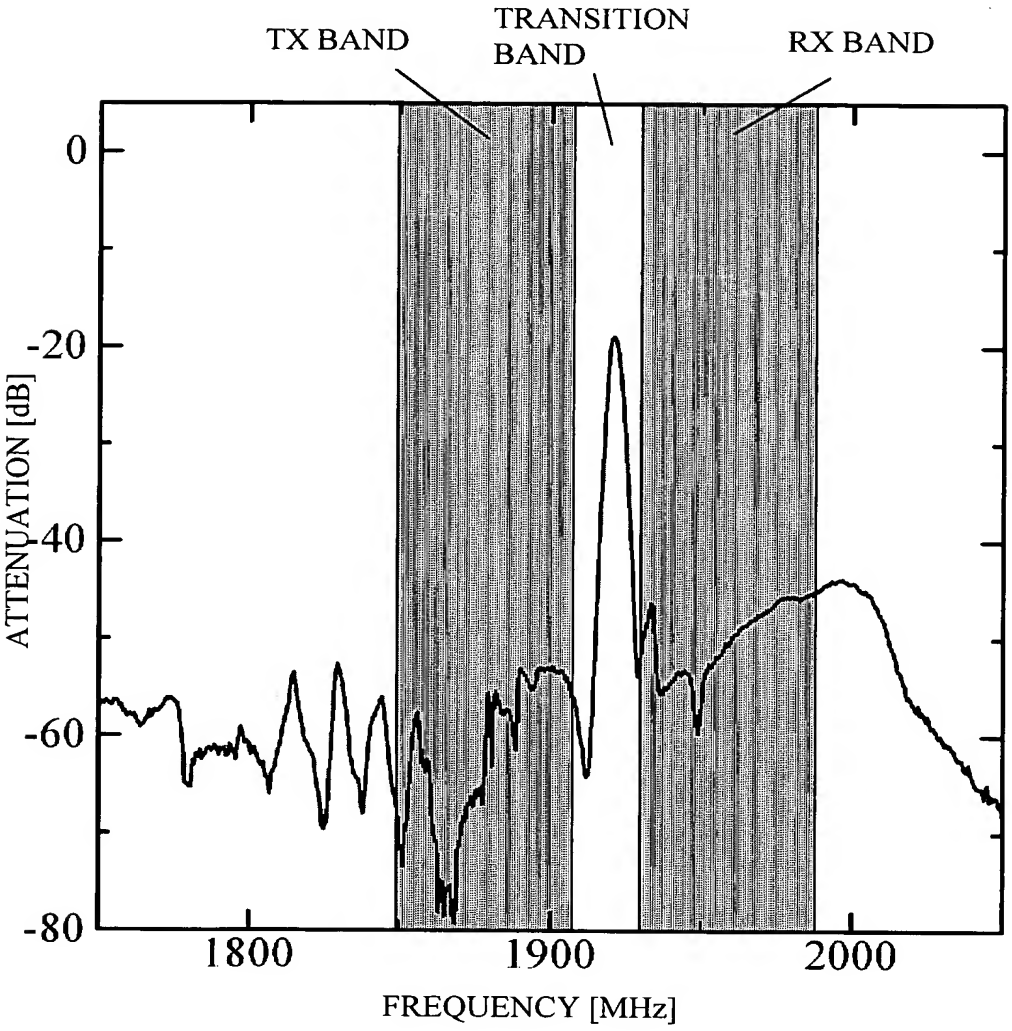
TX BAND
TRANSITION BAND
RX BAND
0
-20
-40
-60
-80
ATTENUATION [dB]
1800
1900
2000
FREQUENCY [MHz]

Fig. 18

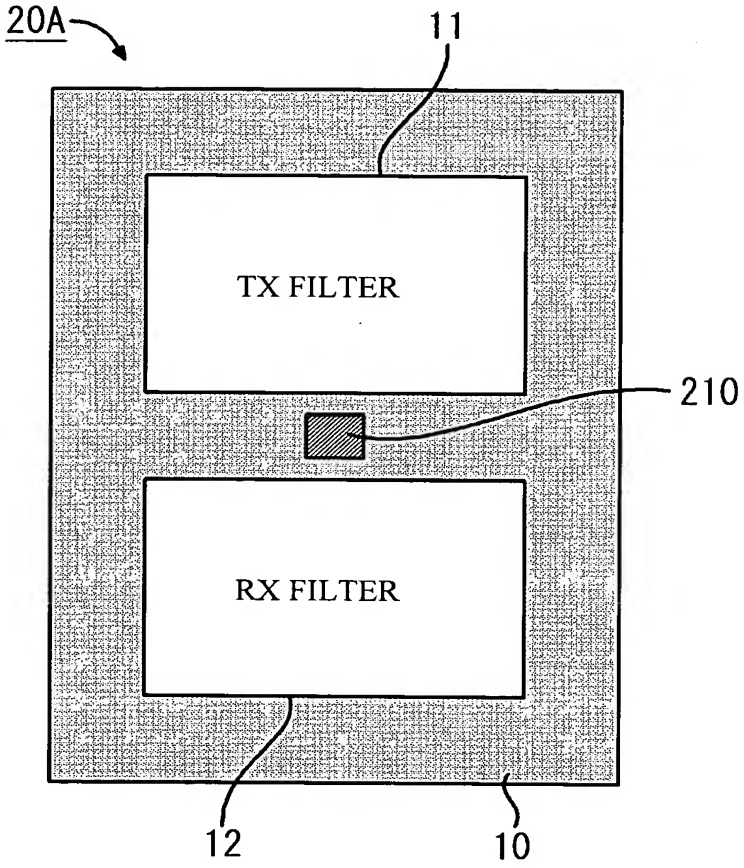

Fig. 19

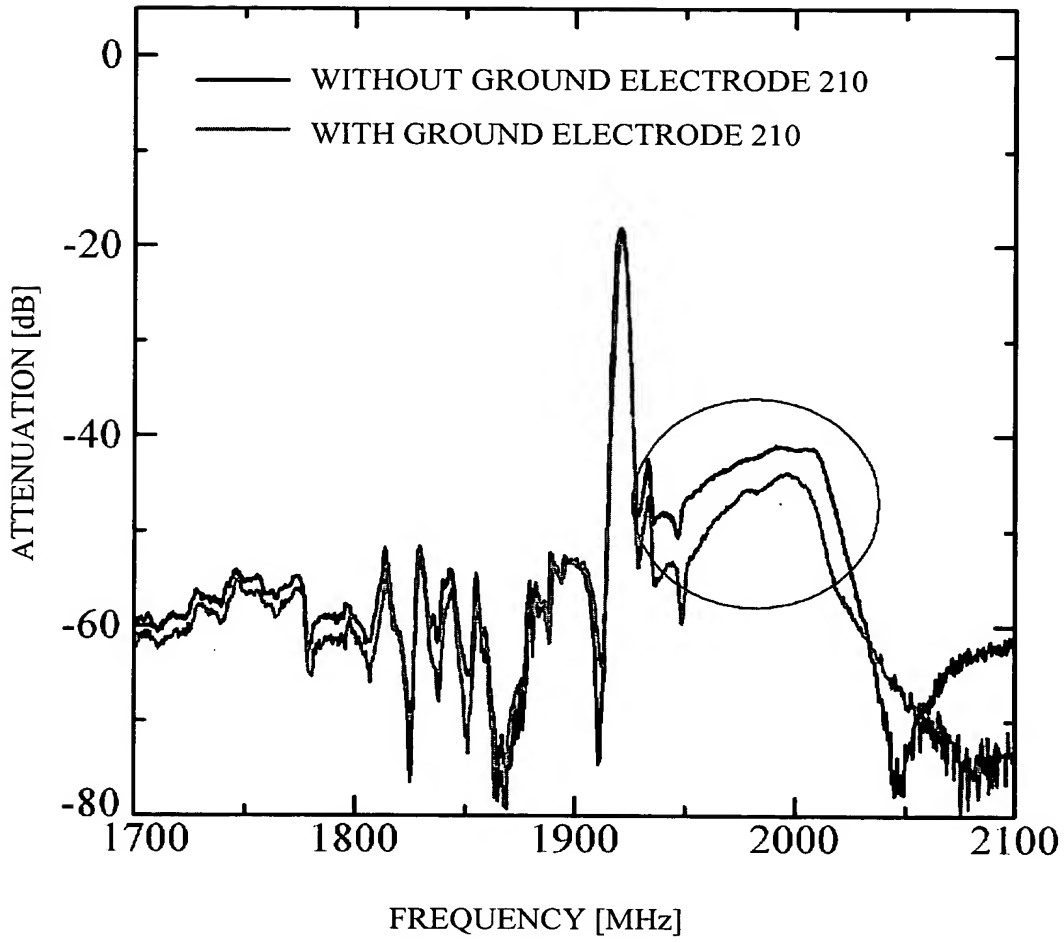
0
-20
-40
-60
-80
ATTENUATION [dB]
WITHOUT GROUND ELECTRODE 210
WITH GROUND ELECTRODE 210
1700
1800
1900
2000
2100
FREQUENCY [MHz]

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Fig. 20C

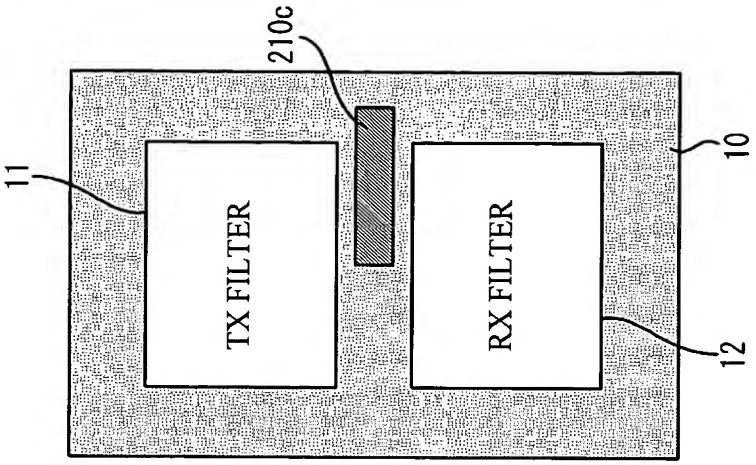
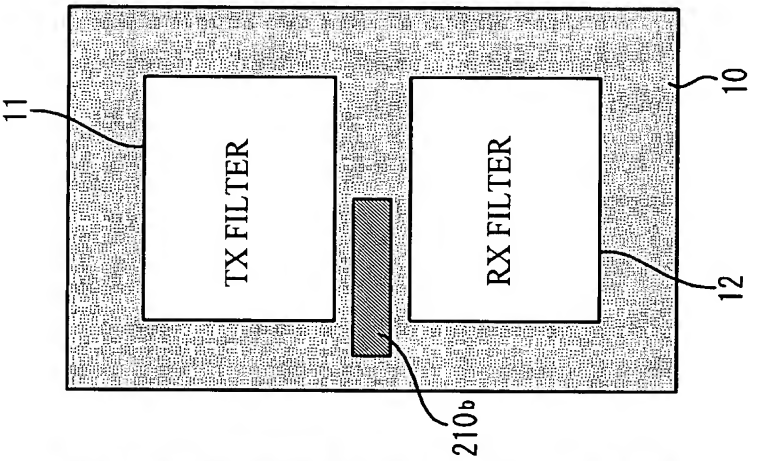



Fig. 20B



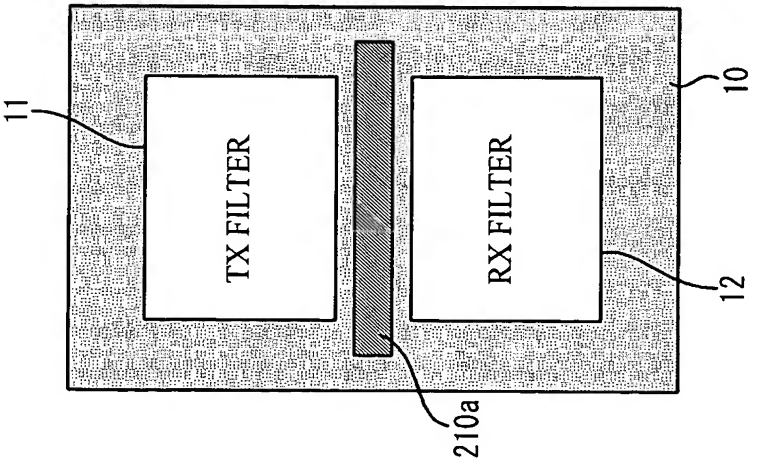


Fig. 20A